GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:2670
ANSWERED ON:13.03.2000
HYDEL POWER PROJECTS
T.T.V. DHINAKARAN

Will the Minister of POWER be pleased to state:

(a) whether the Government have reviewed major hydel power projects in the country;

(b) if so, the details thereof, State-wise;

(c) whether any new hydel power projects are proposed to be set up during the Ninth Five Year Plan in the country;

(d) if so, the details thereof, State-wise; and

(e) the details of existing hydel power projects in the States with their installed capacity?

Answer

THE MINISTER OF POWER

(SHRI P.R. KUMARAMANGALAM)

(a) & (b) : In addition to the regular monitoring of all the ongoing projects in the country by the Central Electricity Authority, the progress of important projects in the State and the Central Sectoris reviewed by the Government and all measures taken so that there is no slippage in their schedule for completion. The State-wise list of the hydro-electric schemes under execution is at Annex-I.

(c) & (d) : State-wise details of hydro-electric projects programmed for commissioning during 9th Plan are at Annex-II.
(e) : The details of existing hydro electric projects in the States are at Annex-III. ANNEX-I
ANNEX REFERRED TO IN REPLY TO PARTS [a] & [b] OF UNSTARRED QUESTION NO.2670 TO BE ANSWERED IN THE LOK SABHA ON 13.3.2000 REGARDING HYDEL POWER PROJECTS
SANCTIONED/ONGOING HYDROELECTRIC SCHEMES

Sl.No.	Name of Project [No.x MW]	State	Capacity [MW]	Commissioning Schedule
	CENTRAL SECTOR			
1.	Nathpa Jhakri[NJPC]	H.P.	6x250	1500 2001-02
2.	Dulhasti [NHPC]	J&K	3x130	390 2001-02
3.	Chamera St.II [NHPC]	H.P.	3x100	300 2004-05
4.	Tehri St.I [THDC]	U.P.	4x250	1000 2001-03
5.	Dhauliganga[NHPC]	U.P.	4x70	280 2004-05
6.	Koel Karo [NHPC]	Bihar	4x172.5+ 1x20	710 8 Yrs from the date of sanction
7	Doyang [NEEPCO]	Nagaland	3x25	75 1999-2000
8.	Ranganadi[NEEPCO]	Ar.Pr.	3x135	405 2000-02

9.	Tuirial[NEEPCO]	Mizoram	2x30	60	2005-07
10.	Kopili St.II [NEEPCO]	Assam	1x25	25	2003-04
11.	Loktak D/S[NHPC]	Manipur	3x30	90	2006-07
12.	Teesta St.V[NHPC]	Sikkim	3x170	510	2006-07

Total [Central] : 5345

STATE SECTOR
NORTHERN REGION

13.	Dadupur	Haryana	4x1.5	6	Beyond 9th Plan
14.	Ghanvi	H.P.	2x11.25	23	2000-01
15.	Larji	H.P.	3x42	126	Beyond 9th Plan
16.	Uhl-III	H.P.	2x50	100	10th Plan
17a.	Upper Singh-II	J&K	2x35	70	1999-01
17b.	Upper Singh-II Extn	J&K	1x35	35	2000-01
18.	Kishanganga	J&K	3x110	330	Beyond 9th Plan
19.	Sewa St.III	J&K	3x3	9	2000-01
20.	Chenani St.III	J&K	3x2.5	8	1999-01
21.	Ranjit Sagar	Punjab	4x150	600	2000-01
22.	Shahpurkandi 2x40+1x8	Punjab	2x40+	168	Beyond 9th Plan
23.	Lakhwar Vyasi	U.P.	3x100+2x60	420	Beyond 9th Plan
24.	Maneri Bhali-II	U.P.	4x76	304	2003-04
25.	Katapathar	U.P.	2x9.5	19	2005-06
26.	Jakham	Rajasthan	2x2.5	5	10th Plan

Total [Northern Region]: 2222

WESTERN REGION

27.	Sardar Sarovar 5x50	Guj/MP/Mah	6x200+	1450	2001-04
28.	Bansagar Tons PH II & III	M.P.	2x15+3x20	90	2001-02
29.	Bansagar Tons PH IV	M.P.	2x10	20	2001-02
30.	Indira Sagar	M.P.	8x125	1000	10th Plan
31.	Koyna St.-IV	Mah.	4x250	1000	1998-2000
32.	Ghatghar PSS	Mah.	2x125	250	2003-04
33.	Bhivpuri PSS	Mah.	1x90	90	Beyond 9th Plan

Total [Western Region]: 3900

SOUTHERN REGION

34.	Srisailam LBPH	A.P.	6x150	900	2000-02
35.	Singur	A.P.	2x7.5	15	1999-2000
36.	Brindavan	Ktk.	2x6	12	2001-02
37.	Sarpadi	Ktk.	3x30	90	2002-03
38.	Sharavathi Tail Race	Ktk.	4x60	240	2001-02
39.	Malankara	Kerala	2x3.5	10.50	2002-03
40.	Kutiyadi Tail Race	Kerala	3x1.25	3.75	10th Plan
41.	Kutiyadi Extn.	Kerala	1x50	50	2001-02
42.	Parson`s Valley	T.N.	1x30	30	1999-2000
43.	Pykara Ultimate	T.N.	3x50	150	10th Plan
44.	Kalpong	A&N	5.2	5.20	2001-02

Total [Southern Region]: 1506.45

EASTERN REGION

45.	Chandil	Bihar	2x4	8	2001-02
46.	North Koel	Bihar	2x12	24	2001-02
47.	Upper Indravati	Orissa	4x150	600	1999-2001
48.	Potteru	Orissa	1x3+1x3	6	2001-02
49.	Balimela Extn.	Orissa	2x75	150	2004-05
50.	Balimela Dam Toe PH	Orissa	2x30	60	10th Plan
51.	Rammam St.I	W.B.	3x12	36	10th Plan
52.	Purulia PSS	W.B.	4x225	900	2004-06
53.	Rolep-I	Sikkim	2x4.5	9	2003-04

Total [Eastern Region]: 1793.00

NORTH-EASTERN REGION

54.	Karbi Langpi [Lower Borpani]	Assam	2x50	100	2003-04
55.	Dhansiri	Assam	5x3x1.33	20	2002-03
56.	Likim-Ro	Nagaland	3x8	24	2001-02

Total [North Eastern Region] : 144

Total [State Sector] : 9565.45

PRIVATE SECTOR

57.	Baspa St.II	H.P.	3x100	300	2001-02
58.	Malana	H.P.	2x43	86	Beyond 9th Plan
59.	Vishnu Prayag	U.P.	4x100	400	Beyond 9th Plan
60.	Srinagar	U.P.	5x66	330	Beyond 9th Plan
61.	Maheshwar	M.P.	10x40	400	2003-04
62.	Boothathankettu	Kerala	16	16	2001-02

Total [Private Sector : 1532

Total [All India] : 16442.45

Hydro Capacity already spun/commissioned : 1092.50

Net Hydro Capacity under execution : 15349.95

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO.2670 TO BE ANSWERED IN THE LOK SABHA ON 13.3.2000 REGARDING HYDEL POWER PROJECTS

IX PLAN HYDRO PROJECTS

[as on 01.03.2000]

Sl. No.	Name of Project during	State	Capacity Likely	Benefit	Actual/

					9th Plan	date of commi-ssiong
A. CENTRAL						
1.	Nathpa Jhakri(NJPC)	H.P.	6x250	1500		2001-02
2.	Dulhasti (NHPC)	J&K	3x130	390		2001-02
3.	Tehri St.I(THDC) (250) (Critical)	U.P.	4x250	500		2001-02
4.	Rangit-III(NHPC)	Sikkim	3x20	60		1999-2000
5.	Doyang(NEEPCO)	Nagaland	3x25	75		1999-2000
6.	Ranganadi(NEEPCO)	Ar.Pradesh	3x135	405		2001-02
7	Kopili St-II (NEEPCO) (Critical)	Assam	1x25	25		2001-02
Total Central Sector :				2955 MW		
B. STATE SECTOR						
NORTHERN REGION						
8.	Ghanvi	H.P.	2x11.25	22.5		2000-01
9.	Upper Sindh-II	J&K	2x35	70		1999-01
10.	Upper Sindh Extn.	J&K	1x35	35		2000-01
11.	Sewa ST.III	J&K	3x3	9		2000-01
12.	Chenani St.III	J&K	3x2.5	7.5		1999-01
13.	Pahalgam	J&K	2x1.5	3		2000-01
14.	Ranjit Sagar	Pun.	4x150	600		2000-01
15.	Sobla	U.P.	2x3	6		1998-99
WESTERN REGION						
16.	Sardar Sarovar Mah. 5x50 (Critical) 2001-02 9th Plan 650 MW 10th Plan 800 MW.	Guj/M.P.	6x200+	650		1994-96
17.	Bansagar Tons II & III	M.P.	2x15+ 3x20	90		2001-02
18.	Bansagar Tons PH IV (Critical)	M.P.	2x10	20		2001-02
19.	Rajghat	M.P.	3x15	45		1999-2000
20.	Koyna St.IV	Mah.	4x250	1000		1998-2000
21.	Dudhganga	Mah.	2x12	24		1999-2000
22	Kadana PSS Extn.	Guj.	2x60	60		1998-99
23.	Warna	Mah.	2x8	16		1997-99
SOUTHERN REGION						

24.	Srisailam LBPH (300 MW Critical)	A.P.	6x150	900	2000-02
25.	Singur	A.P.	2x7.5	15	1999-2000
26.	Kalinadi St.II 3x50	Ktk.	3x40+	270	1997-2000
27.	Brindavan (Critical)	Ktk.	2x6	12	2001-02
28.	Sharavathi T.R.	Ktk.	4x60	240	2000-02
29.	Bhadra	Ktk.	1x6	6	1997-98
30.	Kakkad	Ker.	2x25	50	1999-2000
31.	Lower Periyar	Ker.	3x60	120	1997-98
32.	Poringalkuthu LB Extn.	Ker.	1x16	16	1998-99
33.	Kuttiyadi Extn.	Ker.	1x50	50	2001-02
34.	Lower Bhawani	T.N.	2x4	8	1997-98
35.	Sathanur Dam	T.N.	1x7.5	7.5	1998-99
36.	Parson`s Valley (Kundah-V Extn.)	T.N.	1x30	30	1999-2000
37.	Kalpong Island (Critical)	A&N	3x1.75	5.2	2001-02
EASTERN REGION					
38.	Chandil LBC	Bih.	2x4	8	2001-02
39.	North Koel	Bih.	2x12	24	2001-02
40.	Eastern Gandak	Bih.	3x5	5	1997-98
41.	Upper Indravati	Orissa	4x150	600	1999-01
42.	Potteru(PH-I&II)	Orissa	1x3+1x3	6	2001-02
43.	Teesta Falls I-III	W.B.	3x3x7.5	67.5	1997-2000
NORTH EASTERN REGION					
44.	Nuranang	Ar. Pr.	3x2	6	1997-98
45.	Likim Ro	Nagaland	3x8	24	2001-02
Total State Sector :			5128.2 MW		
C.	PRIVATE SECTOR				
46.	Baspa St.II 2001-02 (Critical)	H.P.	3x100	300	2001-02
47.	Boothathakettu	Kerala	16	16	2000-01
Total Private Sector :			316 MW		
Total All India :			8399.2 MW		

Capacity addition of these projects aggregating to 3005 MW can be achieved with special efforts.
Note: Hydro capacity addition of 1859.5 MW has been achieved upto 01.03.2000.

ANNEX-III

ANNEX REFERRED TO IN REPLY TO PART (e)OF UNSTARRED QUESTION NO.2670 TO BE ANSWERED IN THE LOK SABH ON 13.3.2000 REGARDING HYDEL POWER PROJECTS

HYDRO SCHEMES IN OPERATION (INSTALLED CAPACITY ABOVE 3 MW)

Sl. No.	All India Region/Sector	Capacity (MW)	
	NORTHERN REGION		
	BBMB		
1.	Bhakra Complex		
	i) Bhakra (L)	540	
	ii) Bhakra (R)	660	
	iii) Ganguwal	77.25	
	iv) Kolta	77.25	
	Sub Total	1354.5	
2.	Dehar	990	
3.	Pong	360	
	Sub Total	1350	
	Total BBMB		2704.5
	NHPC(NR)		
1.	Baira Siul	180	
2.	Salal-I	345	
3.	Salal-II	345	
4.	Tanakpur	120	
5.	Chamera St.I	540	
6.	Uri	480	
	Total NHPC(NR)		2010
	Total Central (NR)		4714.5
	HARYANA		
1.	Western Yamuna Canal A	16	
2.	Western Yamuna Canal B	16	

3.	Western Yamuna Canal C	16
Total Haryana		48

HIMACHAL PRADESH

1.	Giri Bata	60
2.	Bassi	60
3.	Sanjay	120
4.	Andhra	16.95
5.	Binwa	6
6.	Thirot	4.5
7	Baner	12
8.	Gaj	10.5
Total Himachal Pradesh		289.95

JAMMU & KASHMIR

1.	Lower Jhelum	105
2.	Upper Sindh	22
3.	Chenani	23
4.	Mohara	9
5.	Gandharbal	15
6.	Stakna	4
7	Kargil	3.75
8.	Upper Sindh-II	35
Total J&K		216.75

PUNJAB

1.	Shanan	110
2.	U.B.D.C. St.I P.H.1	15
3.	U.B.D.C. St.I P.H.2	15

4.	U.B.D.C. St.I P.H.3	15
5.	U.B.D.C. St.II P.H.1	15
6.	U.B.D.C. St.II P.H.2	15
7	U.B.D.C. St.II P.H.3	15
8.	Mukerian St.I	45
9.	Mukerian St.II	45
10.	Mukerian St.III	58.5
11.	Mukerian St.IV	58.5
12.	A.P. Sahib St.I	67
13	A.P. Sahib St.II	67
Total Punjab		541

RAJASTHAN

1.	R.P. Sagar	172
2.	J. Sager	99
3.	Mahibajaj I	50
4.	Mahibajaj II	90
5.	Anoopgarh I	4.5
6.	Anoopgarh II	4.5
7	RMC Mangrol	6
8.	Surat Garh	4
Total Rajasthan		430

UTTAR PRADESH

1.	Rihand	300
2.	Obra	99
3.	Dhakrani (Y.St.I)	33.75
4.	Dhalipur (Y. St.II)	51
5.	Kulhal (Y. St.IV)	30
6.	Chibro (Y. St.II)]	240
7	Khodri (Y.St.II)	120
8.	Ramganga	198
9.	Chilla	144
10.	Matatilla	30
11.	Manerbhali St.I	90

12.	Khatima	41.4
13.	Pathari	20.4
14.	Mohamadpur	9.3
15.	Nirgajani	5
16.	Khara	72
17.	Sobla	6
Total U.P.		1489.85
Total Northern		7730.05

WESTERN REGION

GUJARAT

1.	Ukai	300
2.	Kadana	240
3.	Ukai LBC	5
Total Gujarat		545

MADHYA PRADESH

1.	Gandhi Sagar	115
2.	Bargi	90
3.	Pench	160
4.	Ban Sagar Tons	315
5.	Birsinghpur	20
6.	Hasdeo Bango	120
7	Rajghat	45
Sub Total M.P.		865

PRIVATE (M.P.)

1.	Tawa	13.5
Total Madhya Pradesh		878.5

MAHARASHTRA

M.S.E.B.

1.	Koyna I & II	560
2.	Koyna III	320
3.	Koyna DPH	40
4.	Vaitarna	60
5.	Eldari	22.5
6.	Bhatgarh	16
7	Bhira Tail Race	80
8.	Tillari	60
9.	Paithon	12
10.	Bandhardhara-I	10
11.	Pawana	10
12.	Khadakwasla-I	8
13.	Khadakwasla-II	8
14.	Bhatsa	15
15.	Vir	9
16.	Radhanagari	4.8
17.	Kanher	4
18.	Ujjaini	12
19.	Manikdoh	6
20.	Surya	6
21.	Bhandardara II	34
22.	Dimwe	5
23.	Warna	16
24.	Dudhganga	24
25.	Koyana St-IV	500
Sub Total Maharashtra		1842.3

TATA (PRIVATE)

1.	Bhira	132
2.	Bhivpuri	72
3.	Khopoli	72
4.	Bhira PSS	150
Sub Total		426
Total Maharashtra		2268.3
Total Western Region		3691.8

SOUTHERN REGION

ANDHRA PRADESH

1.	Machkund	114.75
2.	Upper Sileru I	120
3.	Upper Sileru St.II	120
4.	Lower Sileru	460
5.	T.B. Dam	36
6.	Hampi	36
7	N.J. Sagar	810
8.	Srisailam	770
9.	N.J. Sagar RBC	60
10.	N.J. Sagar RBC Ext.	30
11.	N.J. Sagar LBC	60
12.	Donkarayi	25
13.	Pochampad	27
14.	Niazam Sagar	10
15.	Penna Ahobilam	20
16.	Singur	7.5
	Sub Total Andhra Pradesh	2706.25

PRIVATE (A.P.)

1.	Guntur	3.75
	Total Andhra Pradesh	2710

KARNATAKA

1.	Sharavathy	891
2.	Lingnamakki	55
3.	Bhadra (L)	26
4.	Bhadra (R)	7.2
5.	Bhadra (RBC)	6
6.	Kalinadi	810
5.	Supa DPH	100
6.	Varahi	230
7	Ghatprabha	32
8.	Mani DPH	9
9.	Mallapur	9
10.	Kalinadi St.II (Kadra)	150

11.	Kalinadi St.II (Kodasil)	120
Total (KPCL)		2445.2

KARNATAKA (KEB)

1.	Jog	120
2.	Sivasamudram	42
3.	Shimsapura	17.2
4.	Munirabad	27
Total (KEB)		206.2

KARNATAKA (PRIVATE)

1.	Shivpur	18
Total Private		18
Total Karnataka		2669.4

KERALA

1.	Idukki	780
2.	Sabaragiri	300
3.	Kuttiyadi	75
4.	Sholayar	54
5.	Sengulam	48
6.	Nariamangalam	45
7	Pallivasal	37.5
8.	Poringalkuttu	32
9.	Panniar	30
10.	Idamalayar	75
11.	Kallada	15
12.	Lower Periyar	180
13.	Poringalkuthu	16
14.	Kakkad	50
Sub Total Kerala		1737.5

KERALA (PRIVATE)

1.	Maniyar	12
	Total Kerala	1749.5

TAMILNADU

1.	Kundah I	60
2.	Kundah II	175
3.	Kundah III	180
4.	Kundah IV	100
5.	Kundah V	40
6.	Mettur Dam	40
7	Mettur Tunnel	200
8.	Periyar	140
9.	Kodayar I	60
10.	Kodayar II	40
11.	Sholayar I	70
12.	Sholayar II	25
13.	Pykara	69.95
14.	Aliyar	60
15.	Sarakarpathy	30
16.	Papanasam	28
17.	Moyar	36
18.	Suruliyar	35
19.	Servalar	20
20.	Lower Mettur PH-1	30
21.	Lower Mettur PH-2	30
22.	Lower Mettur PH-3	30
23.	Lower Mettur PH-4	30
24.	Kadamparai	400
25.	Vaigai Dam	6
26.	Lower Bhawani	8
27.	Sathanur Dam	7.5
	Total Tamil Nadu	1950.45
	Total Southern Region	9079.35

EASTERN REGION

BIHAR

1.	Kosi	20
2.	Subernerkha 1	65
3.	Subernerkha 2	65
4.	Sone Western Canal	6.6

5.	Eastern Gandak	15
6.	Sone Eastern	3.3
Total Bihar		174.9

D.V.C.

1.	Maithon	60
2.	Panchet & Extn.	80
3.	Tilayia	4
Total D.V.C.		144

ORISSA

1.	Hirakud I	235.5
2.	Hirakud II	72
3.	Balimela	360
4.	Rengali	250
5.	Upper Kolab	320
6.	Upper Indravati	300
Total Orissa		1537.5

SIKKIM

1.	Lower Lagyap	12
2.	Upper Rognichu	8
3.	Moyangchu	4
Total Sikkim		24

WEST BENGAL

1.	Jaldhaka I	27
2.	Jaldhaka II	8
3.	Massanjore	4

4.	Rammam II	50
5.	Teesta Falls	67.5
Total West Bengal		156.5
NHPC		
1.	Rangit-III	60
Total Eastern Region		2096.9
NORTH-EASTERN		
ARUNACHAL PRADESH		
1.	Tago	4.5
2.	Nuranang	6
Total Arunachal Pradesh		10.5
MEGHALAYA		
1.	Kyrdemkulai	60
2.	Umiam St.I	36
3.	Umiam St.II	18
4.	Umtru	11.2
5.	Umiam-Umtru St.IV	60
Total Meghalaya		185.2
TRIPURA		
1.	Gumti	15
Total Tripura		15
NEEPCO		
1.	Khandong	50

2.	Kopili	100
3.	Kopili Extn.	100
Total NEEPCO		250
NHPC		
1.	Loktak	105
Total NHPC		105
Total Central		355
Total North Eastern Region		565.7
Total All India		23163.8